SLX 800 LED User Manual

Thank you for purchasing the Nocturnal Lights Dive Light System. Please read through this manual before using the system in order to understand all product features, capabilities and functions.

Disclaimer

While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions. Nocturnal Lights reserves the right to change the specifications of the product described herein at anytime without prior notice.

Trademarks

- The EYE logo is a trademark of Nocturnal Lights Inc.
- SLX LED is a trademark of Nocturnal Lights Inc.

For Safe Use of your Divelight

Warning:

- Do not make any modifications to the unit.
- If the product malfunctions please contact us or our authorized dealer. Do not attempt to fix the unit yourself.
- Keep out of reach from children.

Caution:

- Do not disassemble the system in water or wet conditions.
- Do not look directly at the lamp while in use.
- Pay special attention to the seal before every dive. Make sure it is properly cleaned before and after every dive.
- When transporting your dive light in luggage, bag, or box, make sure the switch lock is in place. If the divelight turns on unintentionally, the heat emitted from the lamp may cause burns or a fire.

Proper Usage and Storage

- Always bring a back up light on every dive.
- Place system carefully in dive bags; Hard impact may damage internal components.
- Rinse off the system with freshwater after every dive. Dry and store away from sunlight.
- Use the supplied O-Rings (See O-Ring Care and Maintenance) with every dive.

Common Operations

Turning on/off the light

The on/off switch is located at the rear base of the light housing. A small switch lock is included for protection against accidental turn-on during storage or travel, and/or for uninterrupted use during dives. To use the switch lock, simply move the small tab.

Batteries

The SLX uses six AA size batteries. You may choose to use alkaline batteries or any other commercial AA rechargeable batteries. Different batteries will give you different burn time and output (Some rechargeable AA batteries with a lower voltage may decrease the total light output. Our test with most 15-minute quick chargers yielded poor results – try different batteries and chargers if you see an abnormally fast decrease in light output

Always make sure the light is turned off before switching the batteries to avoid damage to the switch and bulbs and be sure the battery (+ and -) is positioned correctly. It is the user's responsibility if any damage is caused by improper operation.

Fastening and removing the housing cover

When fastening the housing cover, ensure that there is no debris or particles on the threading or o-rings. If debris is present, lightly brush off, clean and lightly grease the o-rings. Tighten the cover snugly but never force it on. Twist the housing cover counterclockwise while holding the handle to remove the housing cover for battery replacement.

Beam Adjustment (for broader view o shootingr photo/video)

The standard spot reflectors have a focused 12-degree beam. For a wider spread you may switch to the wide angel beams by swapping out the reflector cups. Each of the three internal reflector cups can be used independently, allowing you to use different combinations for different beam angles. Follow the steps below to switch the reflector cups: 1) Remove the light cover. 2) Remove the three screws that secures the reflector cups using a Philips screwdriver 3) Swap out the reflectors 4) Put it back together.

When you remove the reflectors on the LED base you will get a full 90 degrees, which could be used for a wide video or focus beam. The three metal jackscrews will go in between the front of the light and the LED base to eliminate the overlapping lights that's caused by the gap between the bulb and the lens. Make sure you use the right jackscrews and screws for the upgrade and remember to switch back to the original jackscrews when you want to use the 12 or 60-degree lens.

Submerging the Light

The dive light system is rated to operate at depths up to 100 meters (328 feet). Provided that you use the properly light, (see Proper Usage and Storage and O-Ring Care and Maintenance) you will enjoy this product for hundreds of dives.

O-Ring Care

O-Rings are necessary to ensure a tight seal for underwater use. Our divelight housing uses a double O-Ring design for extra protection. To replace, simply slip one O-Ring all the way to the base of the housing. The primary ring goes on the thread directly above the base. Below are steps for proper usage and care of your o-rings before and after every dive.

- Remove and rinse the o-rings and thoroughly wipe the o-ring grooves clean.
- Make sure the material used does not leave any deposits such as hairs, cotton fibers, and dirt, as they may cause water leakage
- Apply a thin coat of silicone grease to both o-rings; applying too much grease to the seal may cause water leakage. Do not use paper or cloth to apply grease.
- Check the threading on the base for any leak-prone deposits as they may come in contact with the o-rings.
- Seat the o-rings in place.
- Grease the inner base of housing cover where it slides over the primary o-ring.
- Tighten lens cover firmly

Maintenance and Storage

Wash and rinse the exterior of the divelight housing with clean fresh water after use. Remove the housing cover and wipe away any salt, dirt, sand, or other particles from the components. **Do not rinse while lens cover is removed, water will damage the internal components.**

Traveling

Our dive light canisters use a piston + pressure seal design. We strongly suggest that you do not completely tighten the canisters when boarding an aircraft; the change in pressure will seal the canister so tight that you will be unable to loosen it without special tools.

Appendix

Detailed Specifications

Bulb(s)	Triple High-Powered LED.
Battery	AA x6 Batteries
Burn time	2 hours on max output – up to 8 hours
Dimensions	2 ¾" by 5 ½" w/o handle
Waterproof/Weatherproof	Yes (double o-ring)
Beam Angle	12 degrees to 60 degrees
Water resistance	100 meters (328 ft)
Weight	0.5lb (in water) 1.4 (outside)

Warranty Info

*** If the dive light system fails to operate properly after reading through the manual and troubleshooting guide, contact your local dealer or Nocturnal Lights technical support. Additional help can also be found at our website: http://www.nocturnallights.com**

3 YEAR LIMITED WARRANTY – Nocturnal Lights Inc. warrants this product to be free from defects in workmanship and materials under normal use for 3 years from the purchase date. The product must be purchased from an authorized Nocturnal Lights dealer and it is only valid for the original purchaser. This warranty does not cover deterioration due to normal wear and tear, damage from misuse, alteration, negligence, accidents, or unauthorized repairs. Nocturnal Lights, Inc. will repair or replace parts which are defective in workmanship or materials.

To be eligible for warranty service, you must have all original purchasing receipts.

Photo And Video Light Accessories (optional)

Adapters are available for the SLX 800t (converts to a 800i) if you intend to use it as a focus light or a video light for all underwater photo and video housings. Trays, adapters, housing adapters, arms, and clamps can also be found on our website. Please contact your local dealer or visit Nocturnallights.com for more information.

Technical Hand Mounts (optional)

Removing the handle on the SLX

Peel the rubber protective cap at the back of the lights towards the handle and you will see a screw that connects the handle to the body of the light. The handle can be removed using a Philips screwdriver. Upon the removal of the screw the handle may still be attached to the housing with glue. Apply some force and the handle will be removed.

Neoprene Hand Mount

After you remove the handles you will still be able to open and close the housing completely by grasping the end of the housing. Each neoprene hand mount comes with a light clamp. After inserting the light in the housing, wrap the clamp around the hand mount and fasten securely. The hand mount comes with two straps, one narrow and one wide. It is up to you to decide which strap will loop around your wrist DO NOT OVERTIGHTEN THE CLAMP.

Goodman Handle

To use the Goodman handle, simply remove the handle on the SLX and secure the handle from the back of the light. You can adjust the height and the position of the light by using a Philips screwdriver. You should always use a lanyard so you can let go of the light anytime while diving.